

Title (en)

METHOD FOR MEASURING THE PERFORMANCE OF A RENEWABLE ENERGY PLANT, METHOD FOR DETECTING ABNORMAL OPERATION OF A RENEWABLE ENERGY PLANT AND DEVICE IMPLEMENTING SAID METHODS

Title (de)

MESSVERFAHREN DER LEISTUNG EINES KRAFTWERKS MIT ERNEUERBARER ENERGIE, DETEKTIONSVERFAHREN EINER FUNKTIONSSTÖRUNG EINES KRAFTWERKS MIT ERNEUERBARER ENERGIE UND VORRICHTUNG ZUM UMSETZEN DIESER VERFAHREN

Title (fr)

PROCÉDÉ DE MESURE DE LA PERFORMANCE D'UNE CENTRALE À ÉNERGIE RENOUVELABLE, PROCÉDÉ DE DÉTECTION D'UNE ANOMALIE DE FONCTIONNEMENT D'UNE CENTRALE A ÉNERGIE RENOUVELABLE ET DISPOSITIF METTANT EN OEUVRE LESDITS PROCÉDÉS

Publication

**EP 3457153 B1 20220914 (FR)**

Application

**EP 18194516 A 20180914**

Priority

FR 1758615 A 20170918

Abstract (en)

[origin: US2019086455A1] A method for detecting an operational malfunction of a renewable energy power plant includes measuring the energy production of the power plant over a time period, designated production period T<sub>prod</sub>; calculating an actual production indicator from the production measured during the measuring of the energy production; calculating, from a physical model of the power plant, a theoretical production indicator over the production period T<sub>prod</sub>; calculating the ratio between the actual production indicator and the theoretical production indicator over the production period T<sub>prod</sub>; the measurement of the performance being given by the value of the ratio between the actual production indicator and the theoretical production indicator.

IPC 8 full level

**G01R 31/40** (2020.01); **H02S 50/10** (2014.01)

CPC (source: EP US)

**G01R 21/133** (2013.01 - US); **G01R 31/3648** (2013.01 - US); **G01R 31/40** (2013.01 - EP US); **G05B 15/02** (2013.01 - US); **H02S 50/10** (2014.12 - EP US); **G01R 22/06** (2013.01 - EP US); **Y02E 10/50** (2013.01 - EP)

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